

FIG. 1

100

107

106

**AMP**

Load Save

Method : L/S(Multi) Edit

Measurement Data

Direction : X  
InspectArea : 300  
SearchArea : 80  
MP: 5  
SumLines/Point : 60  
DesignValue : 0.200  $\mu$  m  
Smoothing : 5  
Differential for Linear : 5

101

Edge Detect Method

102

B(1)	Bottom	Th	1
T(1)	Top	Th	2

	B(1)	W1
1	B(1)	W1
2	B(1)	WR1
3	T(1)	W1
4	T(1)	WR1
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

103

Add Edit Delete Add Edit Delete

OK Apply Cancel

104

105

FIG. 2

200

Edge Detect Method : Bottom (B 1) Edit

Method : Threshold Edit

Edge Detect Parameter

	Left	Right
Threshold	50%	50%
EdgeNumber	1	1
BaseLineStartPoint	—	—
BaseLineArea	—	—
EdgeSearchDirection	Normal	Normal

201

Mesurement Select

Width	Mean	W1	<input checked="" type="checkbox"/>
Width	Mean'	W2	<input type="checkbox"/>
Width	Max	W3	<input type="checkbox"/>
Width	Min	W4	<input type="checkbox"/>
WidthRoughness	$3\sigma$	WR1	<input checked="" type="checkbox"/>
WidthRoughness	$3\sigma'$	WR2	<input type="checkbox"/>
WidthRoughness	Max-Min	WR3	<input type="checkbox"/>
EdgeRoughness Left	$3\sigma$	E11	<input type="checkbox"/>
EdgeRoughness Left	$3\sigma'$	E12	<input type="checkbox"/>
EdgeRoughness Left	Max-Min	E13	<input type="checkbox"/>
EdgeRoughness Right	$3\sigma$	Er1	<input type="checkbox"/>
EdgeRoughness Right	$3\sigma'$	Er2	<input type="checkbox"/>
EdgeRoughness Right	Max-Min	Er3	<input type="checkbox"/>

202

203

204

205

OK Cancel

FIG. 3

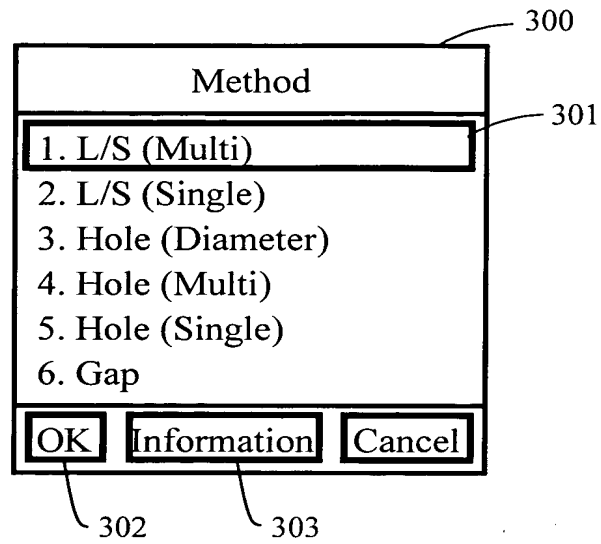


FIG. 4

400

Information			
Method : L/S (Multi)			
Object		Measurement	
Bottom	B	Width	
Top	T	1.Mean	W1
Space	S	2.Mean'	W2
Pitch (Left)	Pl	3.Max	W3
Pitch (Right)	Pr	4.Min	W4
Slope (Left)	Sl	Width Roughness	
Slope(Right)	Sr	1. $3\sigma$	WR1
		2. $3\sigma'$	WR2
		3.Max-Min	WR3
		Edge Roughness (Left)	
		1. $3\sigma$	El1
		2. $3\sigma'$	El2
		3.Max-Min	El3
		Edge Roughness (Right)	
		1. $3\sigma$	Er1
		2. $3\sigma'$	Er2
		3.Max-Min	Er3
			Close

FIG. 5

500

Object	
Bottom	B(1)
Top	T(1)
Space	S(1)
Pitch (Left)	Pl(1)
Pitch (Right)	Pr(1)
Slope (Left)	Sl(1)
Slope(Right)	Sr(1)
OK	Cancel

501

503

502

FIG. 6

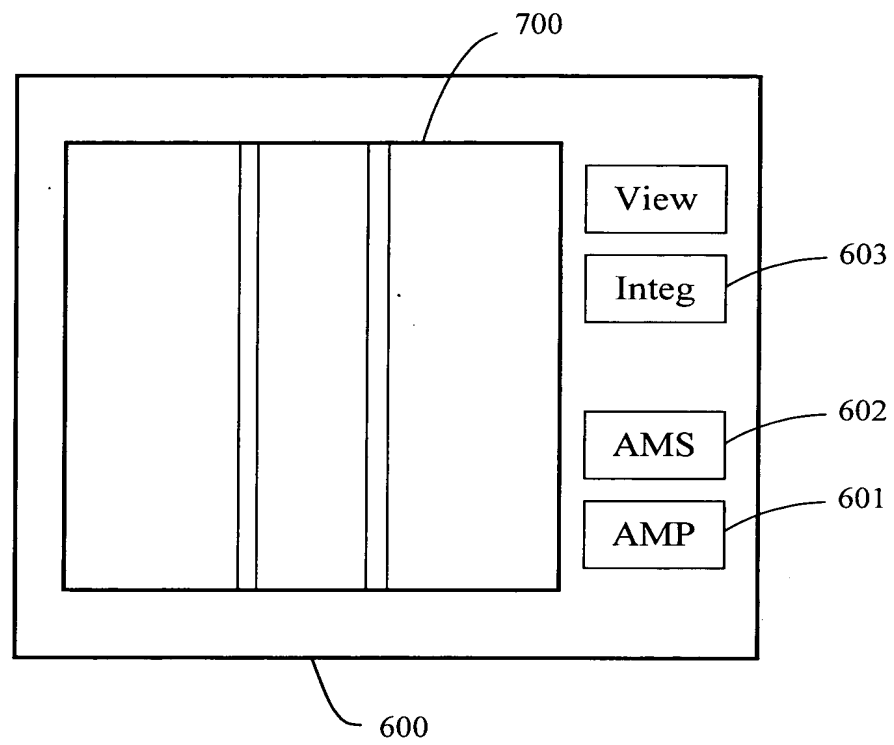


FIG. 7

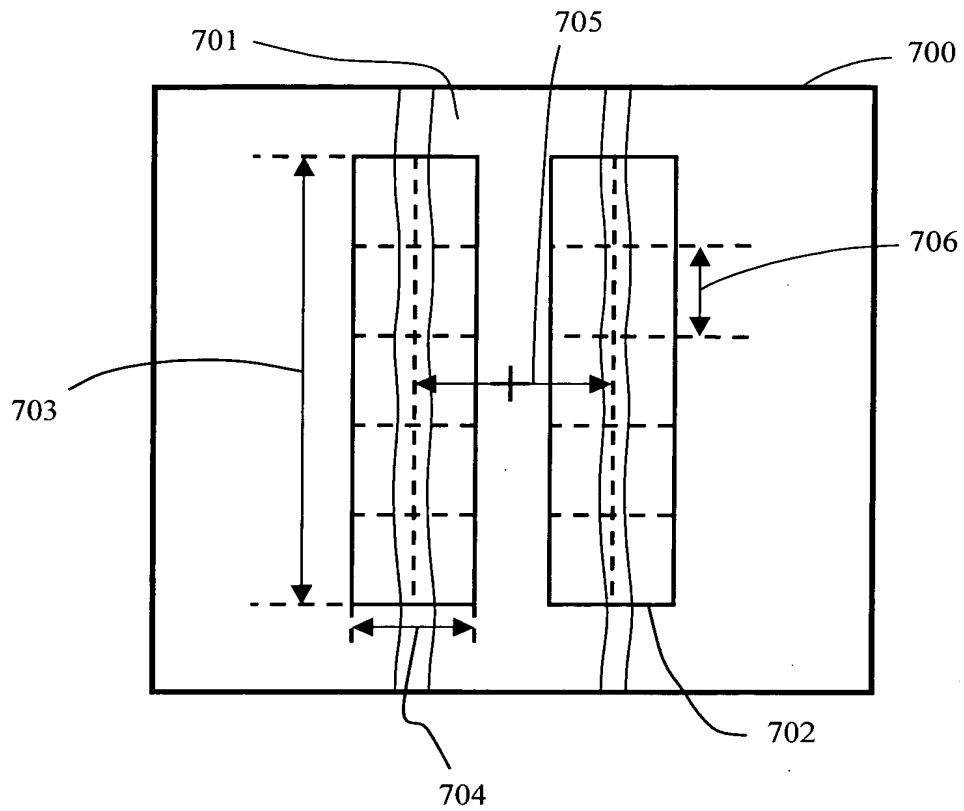


FIG. 8

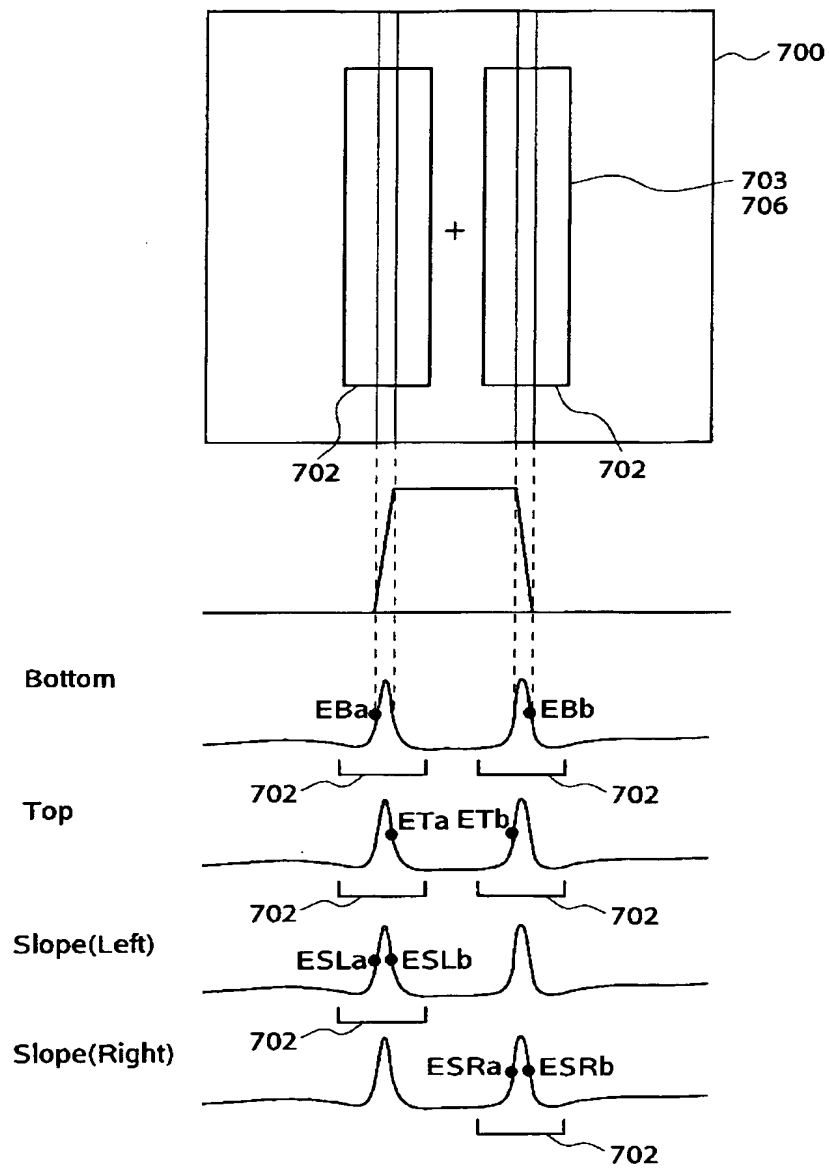




FIG. 9

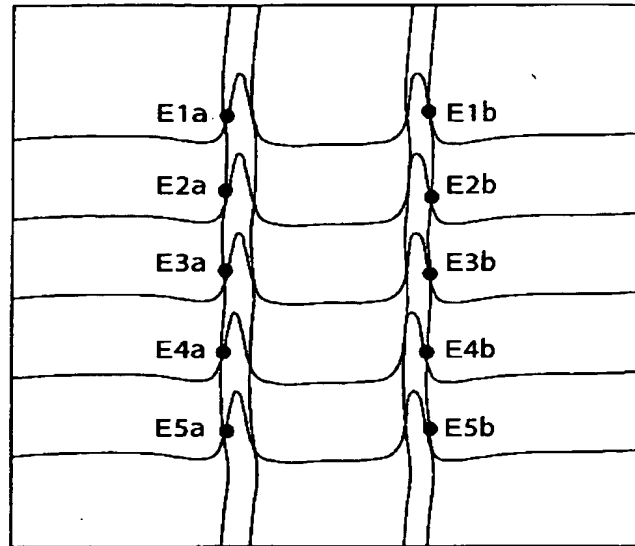


FIG. 10

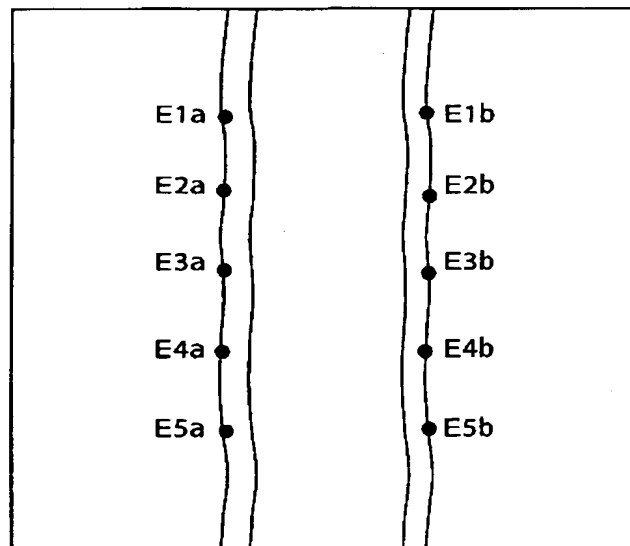
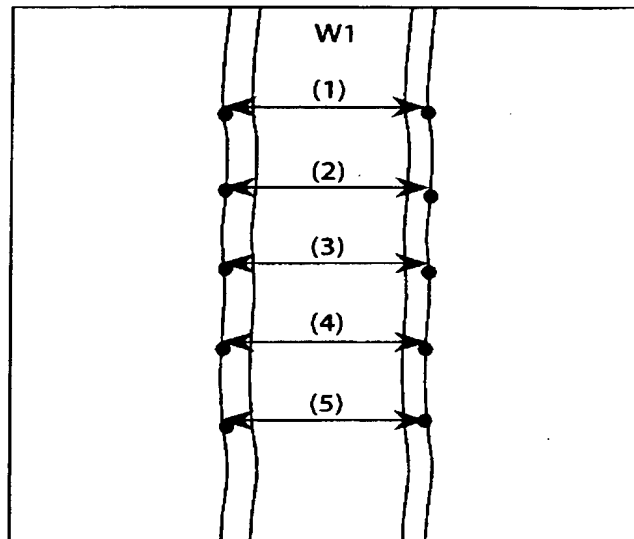


FIG. 11

SHEET NO. : 1		LOAD    SAVE    INFORMATION				
EDGE DETECT		MEASUREMENT			DATA	NO.
1	B(1)	1	B(1)	W1	120.2	1
2	T(1)	2	B(1)	WR1	2.0	2
3		3	T(1)	W1		3
4		4	T(1)	WR1		4
5		5				
6		6				
7		7				
8		8				
9		9				
10		10				
11		11				
12		12				
13		13				
14		14				
15		15				

FIG. 12



Calculation of W1 (mean)

$$\frac{(1) + (2) + (3) + (4) + (5)}{5}$$

FIG. 13

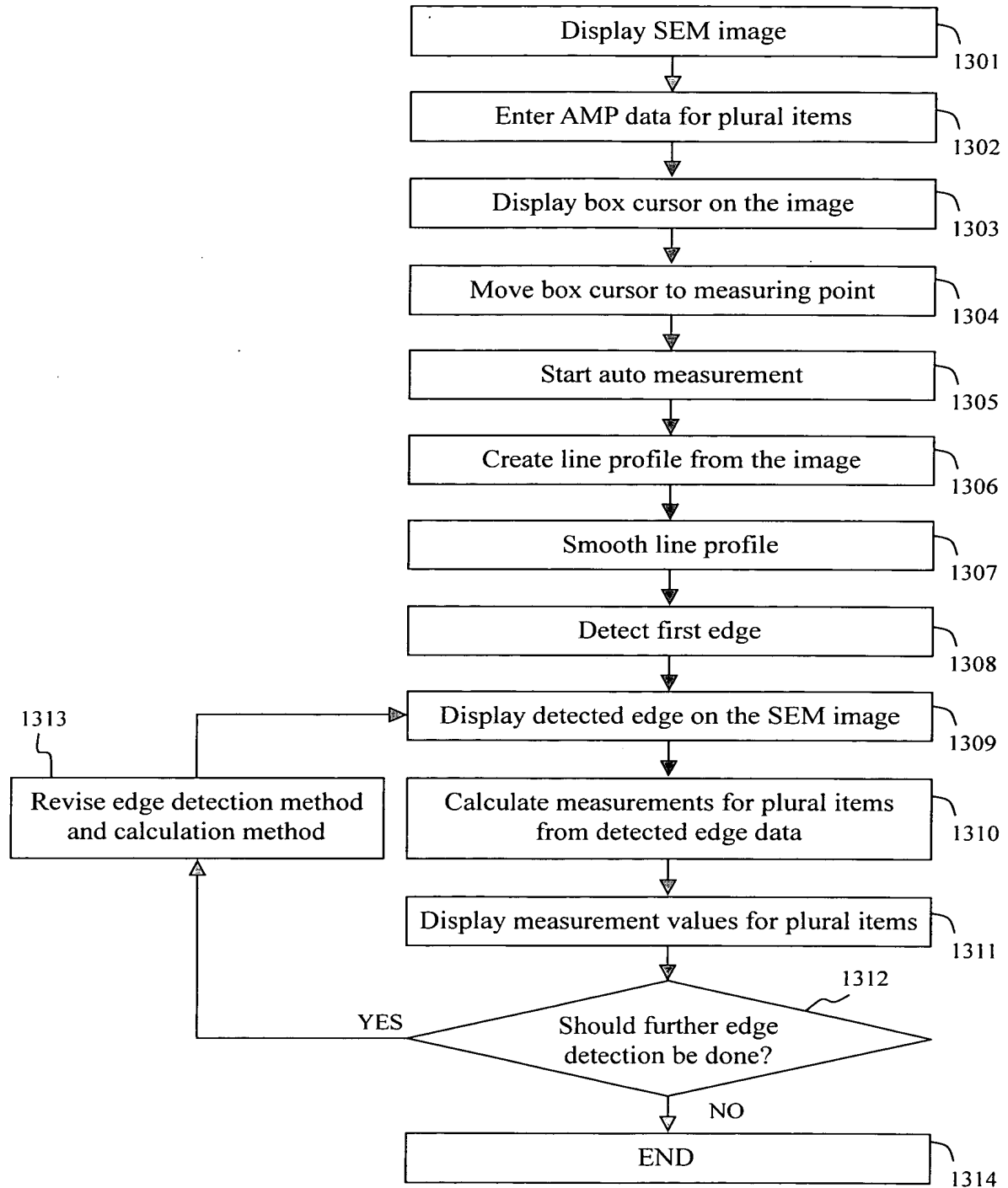


FIG. 14

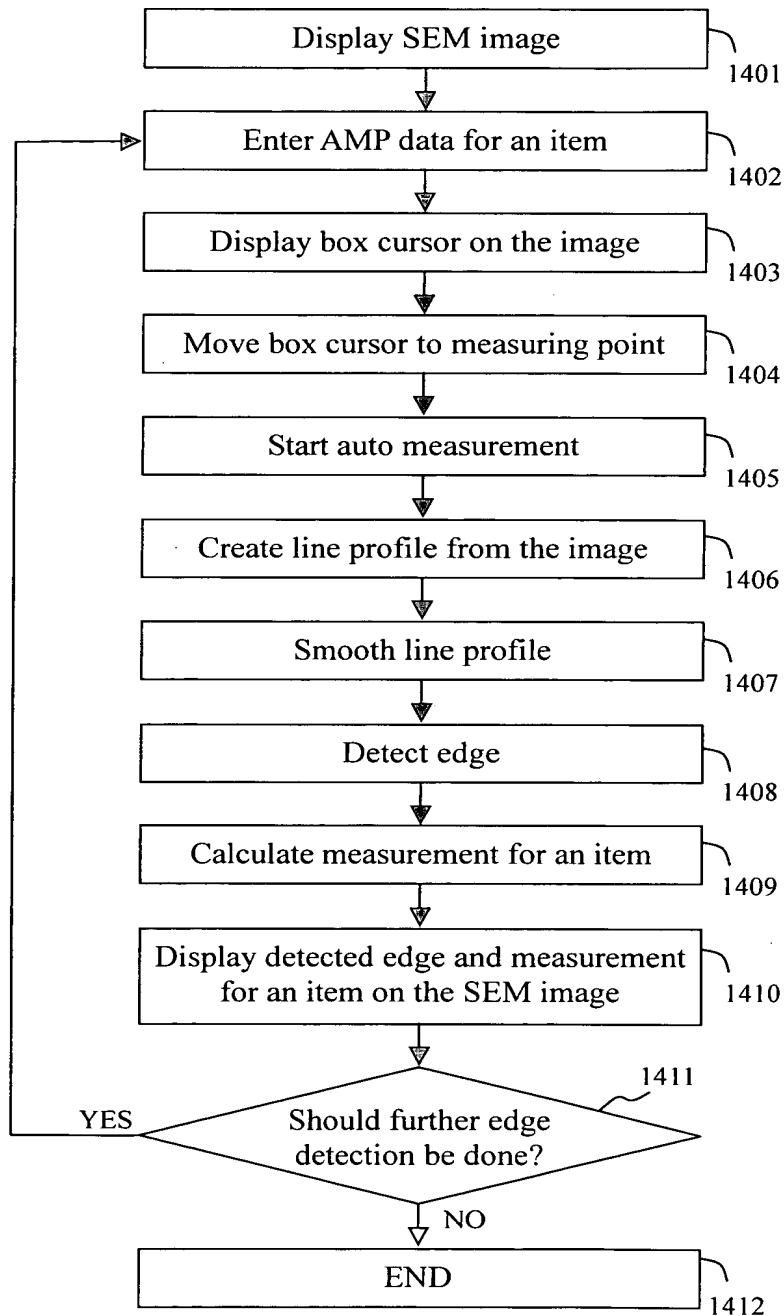


FIG. 15

